

To: Curley, Michael[Curley.Michael@epa.gov]; Stein, Mark[Stein.Mark@epa.gov]
From: Papadopoulos, George
Sent: Mon 8/10/2015 6:21:47 PM
Subject: FW: Pilgrim Nuclear-Intake water
1991 NPDES permit from EPA .pdf
ATT00001.htm

Hi Mark/Mike,

See email below from Meg Sheehan –

George Papadopoulos - USEPA - (617) 918-1579

From: Meg Sheehan [mailto:megsheehan07@gmail.com]
Sent: Monday, August 10, 2015 12:58 PM
To: Webster, David; Beth Card; martin.suuberg@state.ma.us
Cc: Pine duBois; Kevin M. Cassidy; Anne Bingham; Mary Lampert; Francis Mand; Arlene Williamson; clegere@capecodonline.com; Papadopoulos, George; Lochbaum Dave; raymond.mckinley@nrc.gov; Karen Vale; Forum Pilgrim Coalition
Subject: Pilgrim Nuclear-Intake water

Hello Dave, Beth, and Commissioner Suuberg,

Yesterday Entergy had to shut down Pilgrim's nuclear power operations because the temperature of the incoming cooling water Entergy takes from Cape Cod Bay exceeded the temperature limit set by the NRC for safe operation of Pilgrim. The shutdown is documented in the report filed by Entergy with the NRC, Event Report #51301, copied below. Entergy reported that the incoming water temperature was 75 degrees F.

As you know, Entergy's NPDES permit (copy attached) sets a 102 degree F maximum temperature for Pilgrim's discharge of cooling water (permit page 6) and also says that the

temperature of the water that Entergy discharges cannot be more than 32 degrees higher than the incoming water temperature. *If the incoming water was 75 degrees or about August 9-10, and Entergy raised the temperature 32 degrees when the water was used for cooling purposes, that would be a discharge temperature of 107 degrees F, exceeding the permit limit of 102 degrees.*

Entergy's NPDES permit requires that Entergy continuously measure the cooling water discharge temperature (permit page 6.). *Could you please provide me with Entergy's data showing the continuous temperature measurements for the CWIS discharge for the period from August 1 to August 10, 2015?*

Please feel free to contact me if you have any questions.

Thank you.

Meg Sheehan

Volunteer

Pilgrim Coalition

cell 508 259 9154

<http://www.nrc.gov/reading-rm/doc-collections/event-status/event/en.html#en51301>

Power Reactor
Facility: PILGRIM
Region: 1 State: MA
Unit: [1] [] []
RX Type: [1] GE-3
NRC Notified By: KEN GRACIA
HQ OPS Officer: JEFF ROTTON
Emergency Class: NON EMERGENCY
10 CFR Section:
50.72(b)(3)(v)(D) - ACCIDENT MITIGATION

Event Number: 51301
Notification Date: 08/09/2015
Notification Time: 20:15 [ET]
Event Date: 08/09/2015
Event Time: 16:27 [EDT]
Last Update Date: 08/09/2015

Person (Organization):
ART BURRITT (R1DO)

Unit	SCRAM		Initial PWR		Current	
1	Code	RX CRIT		Initial RX Mode	PWR	Current RX Mode
	N	Y	90	Power Operation	90	Power Operation

Event Text

SALT SERVICE WATER SYSTEM DECLARED INOPERABLE

"On Sunday, August 9, 2015 at 1627 [EDT], with the reactor at 90 percent core thermal power (CTP), the Pilgrim Nuclear Power Station (PNPS) entered a 24-hour shutdown Limiting Condition for Operation Action Statement (LCO-AS) for Salt Service Water (SSW) inlet temperature exceeding the Technical Specification (TS) limit in TS 3.5.B.4. The LCO-AS was subsequently exited at 1653 when the temperature of SSW trended to below the TS limit.

"Under certain accident conditions, the SSW system is required to provide cooling water to various heat exchangers such as the Reactor Building Closed Cooling Water (RBCCW) and Turbine Building Closed Cooling Water (RBCCW) systems. When the inlet temperature to these supplied loads exceeds the 75 degrees F limit established in the TS, the SSW system is conservatively declared inoperable until the temperature trends below this value. This condition existed for approximately 1/2 hour. When the SSW system was declared operable, the LCO-AS was exited.

"The SSW temperature is being closely monitored and trended on a continuous basis.

"This event has no impact on the health and safety of the public.

"The licensee has notified the NRC Senior Resident Inspector.

"This notification is being made in accordance with 10 CFR 50.72 (b) (3) (v) (D) due to an event or condition that could have prevented fulfillment of a safety function."

The licensee will be notifying the Commonwealth of Massachusetts Emergency Management Agency. The licensee returned the unit to 100 percent power at approximately 2000 EDT.